



Worldwide Acceptance

Major accredited fire testing laboratories in North America include Factory Mutual Research, Southwest Research Institute, Western Fire Center, Underwriters Laboratories, Omega Point Laboratories, Intertek Testing Services NA and Underwriters Laboratories of Canada

Accredited laboratories and agencies enjoy worldwide acceptance of their reports if their Accreditation Body is a signatory to the Mutual Recognition Arrangement (MRA) operated by various international cooperations:

- ✚ International Laboratory Accreditation Cooperation (ILAC)
- ✚ Asia Pacific Laboratory Accreditation Cooperation (APLAC)
- ✚ National Cooperation for Laboratory Accreditation (NACLA) s domestic United States cooperation
- ✚ InterAmerican Accreditation Cooperation (IAAC)



Worldwide Acceptance (cont'd.)

American Association for Laboratory Accreditation (A2LA), International Accreditation Service (IAS) and National Voluntary Laboratory Accreditation Program (NVLAP) are the three United States Accreditation Bodies recognized by the ILAC and APLAC MRAs.

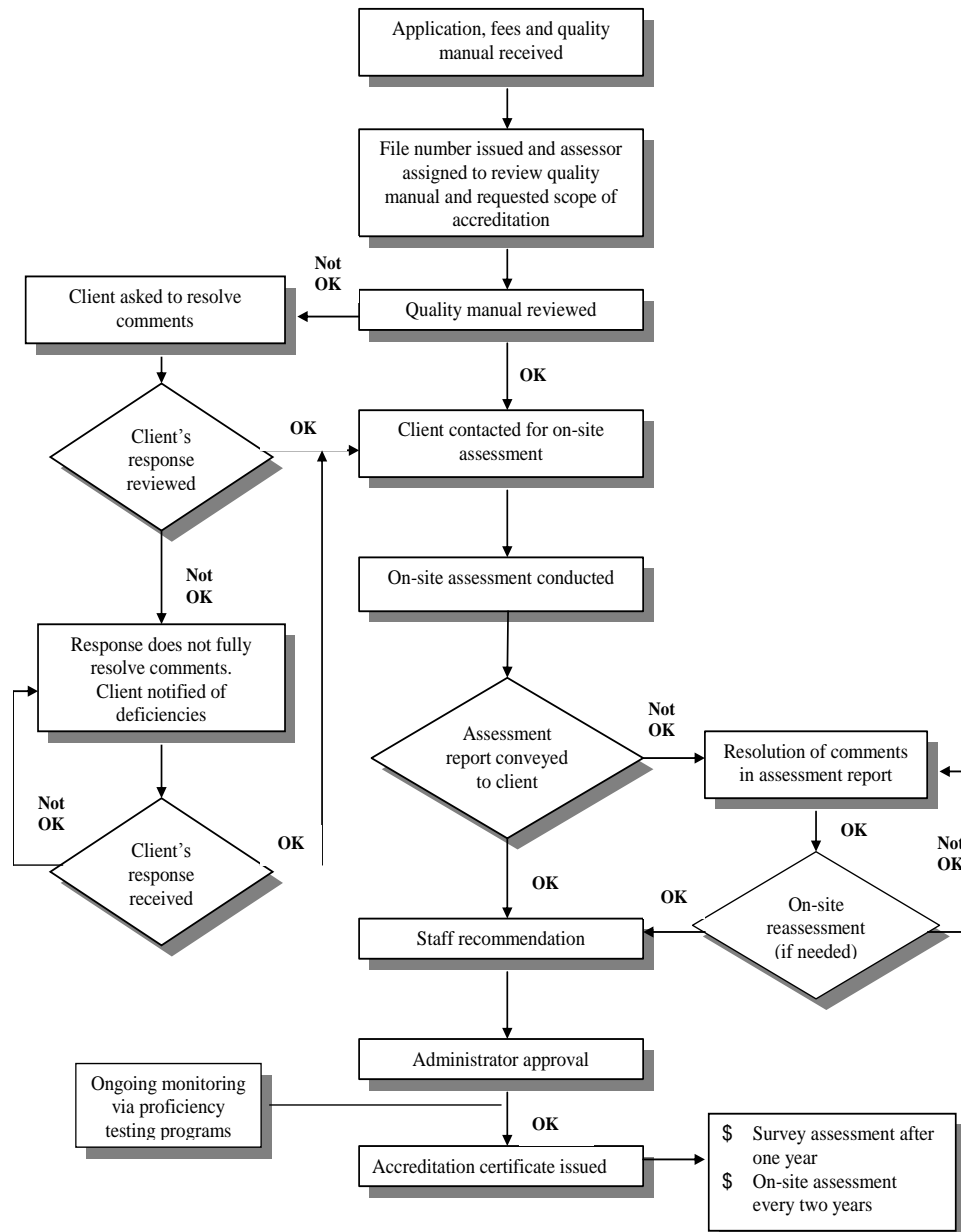
Five accreditation bodies are covered under National Cooperation for Laboratory Accreditation (NACLA): A2LA, IAS, NVLAP, American Industrial Hygiene Association (AIHA) and Performance Review Institute (PRI).



Uncertainty of Measurements and Proficiency Testing for Laboratories

- ⊕ Uncertainty of measurements very important for large-scale fire testing laboratories. This subject is currently being actively debated in APLAC and ILAC
- ⊕ In-house retest of samples or items by several analysts
- ⊕ Local or national exchange of samples or items for test and formal analysis of results
(Proficiency Testing Suppliers accredited to ISO/IEC Guide 43 and ILAC G 13)
- ⊕ APLAC exchange of proficiency testing samples among member economies, each with several laboratories participating (mostly testing)

Accreditation Program





International Accreditation Service, Inc.

CERTIFICATE OF ACCREDITATION

This is to signify that

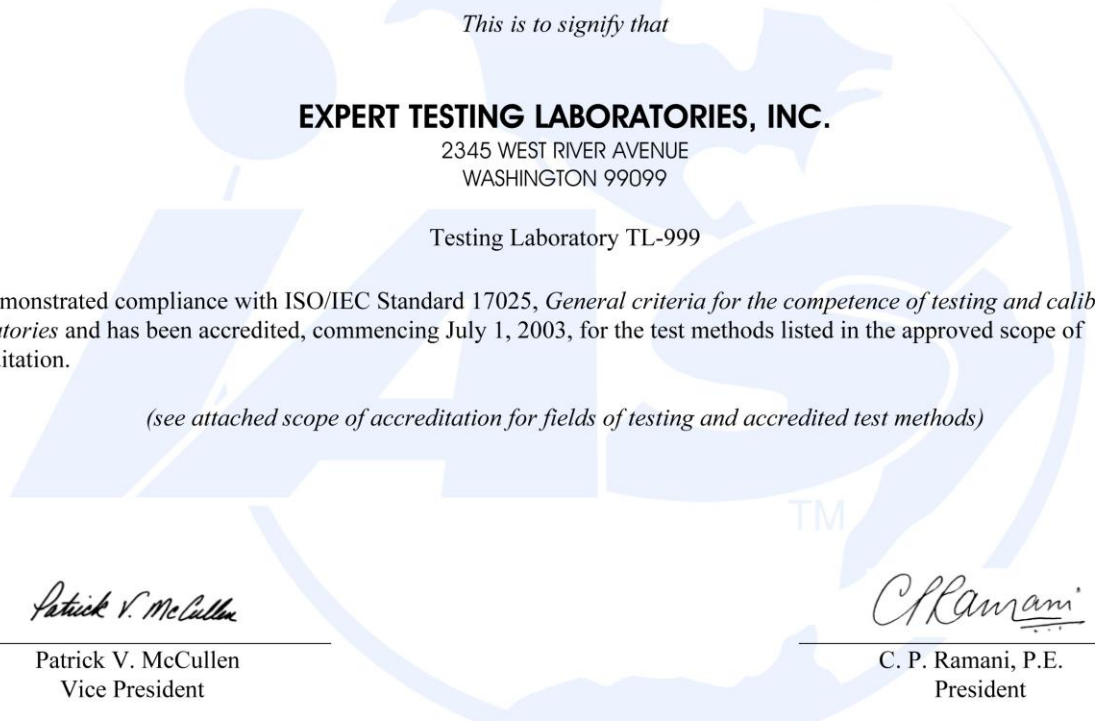
EXPERT TESTING LABORATORIES, INC.

2345 WEST RIVER AVENUE
WASHINGTON 99099

Testing Laboratory TL-999

has demonstrated compliance with ISO/IEC Standard 17025, *General criteria for the competence of testing and calibration laboratories* and has been accredited, commencing July 1, 2003, for the test methods listed in the approved scope of accreditation.

(see attached scope of accreditation for fields of testing and accredited test methods)



Patrick V. McCullen

Patrick V. McCullen
Vice President

C. P. Ramani

C. P. Ramani, P.E.
President

This accreditation certificate supersedes any IAS accreditation certificate bearing an earlier date. The certificate becomes invalid upon suspension, cancellation, revocation, or expiration of accreditation. See the IAS *Accreditation Listings* on the web at www.iasonline.org for current accreditation information, or contact IAS directly at (562) 699-0541. Print Date: 10/06/2003

Typical Accreditation Certificate

International Accreditation Service, Inc.

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SCOPE OF ACCREDITATION

Testing Laboratory TL-999

Expert Testing Laboratories, Inc.
2345 West River Avenue
Washington 99099

Tom Harry
President
866-999-0009

FIELDS OF TESTING	ACCREDITED TEST METHODS
Fire Testing of: Building Assemblies	ASTM Standards E 84, E 119, E 1529 and E 1623 (Intermediate Scale Calorimeter); ICC-ES Reference Criteria AC150; UBC Standards 7-1, 8-1, 26-3, 26-8 and 26-9 (Intermediate Scale Multi-story Apparatus); UMC Standard 6-2; UL Standards 72, 263, 723, 910, 1709, 1715, 1724, 1820, 1887, 1975, 2024, 2043, 2079 and 2085; ULC/ORD-C 376; ISO Standards 834 and 9705; BS Standard 476, Parts 4, 20, 21 and 24; CAN/ULC-S Standards 101-M89, S 102, S 102.2, S 134 and S 135; NFPA Standards 251, 255, 285 and 286; 16 CFR 1632.6; JIS Standard A1321; United States Coast Guard (USCG) FTP Code Part 3
Fire Doors	ASTM Standard E 2074; ICC-ES Reference Criteria AC84 and AC97; UBC Standard 7-2; UL Standards 6B, 10A/10B and 155; ULC Standard C155; ISO Standard 3008; CAN 4-S 103 and CAN 4-S 104 M 80; Doors and Access System Manufacturers Association (DASMA) 107; USCG FTP Code Part 4; NFPA Standard 252
Fire Windows	ASTM Standards E 163 and E 2010; UBC Standard 7-4; UL Standard 9; ISO Standard 3009; CAN 4-S 106 M 80; NFPA Standard 257

July 1, 2003
Commencement Date



C. P. Ramani, P.E.
President

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Thank You



INTERNATIONAL
ACCREDITATION SERVICE, INC.

Leading Accreditors Since 1975

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